

CLAIMS

What is claimed is:

1. A method comprising:
 - applying a forward error correction code to a group of data packets to create a coded group of packets by supplementing a set of parity packets to the group of data packets;
 - transmitting the data packets, and transmitting a set of corresponding parity packets after the data packets have been sent;
 - receiving a positive acknowledgement signal;
 - in response to receiving the acknowledgement, ceasing to send additional parity packets; and
 - in response to not receiving the acknowledgment, continuing to transmit the parity packets.
2. The method of claim 1, wherein the data packets include multi-media data packets, and the transmitting includes transmitting over a wireless network.
3. The method of claim 2, wherein transmitting the multi-media data packets includes multi-media streaming over an Internet Protocol (IP) network.
4. The method of claim 3, wherein the multi-media streaming includes streaming via IEEE 802.11 standard over a wireless network.
5. The method of claim 4, wherein the multi-media streaming includes suppressing physical layer acknowledgements via multicasting IP addresses.

- 1 6. The method of claim 1, wherein the applying a forward error correction code
2 includes applying a Reed-Solomon code to the data packets.
- 1 7. The method of claim 1, wherein the applying a forward error correction code
2 includes applying a Tornado code to the data packets
- 1 8. The method of claim 1, wherein transmitting the group of packets includes
2 interleaving and transmitting a second and separate group of data packets.
- 1 9. The method of claim 1, wherein the receiver sends multiple acknowledgement
2 signals for a group of packets.
- 1 10. The method of claim 1, further includes manipulating the number of parity
2 packets in response to data included in the acknowledgement.
- 1 11. A machine-readable storage media tangibly embodying a sequence of
2 instructions executable by processor to perform a method comprising:
3 applying a forward error correction code to a group of data packets to
4 create a coded group of packets by supplementing a set of parity packets to the
5 group of data packets;
6 transmitting the data packets, and transmitting a set of corresponding
7 parity packets after the data packets have been sent;
8 receiving a positive acknowledgement signal;
9 in response to receiving the acknowledgement, ceasing to send
10 additional parity packets; and

11 in response to not receiving the acknowledgment, continuing to transmit the parity
12 packets.

1 12. The machine-readable storage media of claim 11, wherein the data packets
2 include multi-media data packets, and the transmitting includes transmitting
3 over a wireless network.

1 13. The machine-readable storage media of claim 12, wherein transmitting the
2 multi-media data packets includes multi-media streaming over an Internet
3 Protocol (IP) network.

1 14. The machine-readable storage media of claim 13, wherein the multi-media
2 streaming includes streaming via IEEE 802.11 standard over a wireless
3 network.

1 15. The machine-readable storage media of claim 14, wherein the multi-media
2 streaming includes suppressing physical layer acknowledgements via
3 multicasting IP addresses.

1 16. The machine-readable storage media of claim 11, wherein the applying a
2 forward error correction code includes applying a Reed-Solomon code to the
3 data packets.

1 17. The machine-readable storage media of claim 11, wherein the applying a
2 forward error correction code includes applying a Tornado code to the data
3 packets

- 1 18. The machine-readable storage media of claim 11, wherein transmitting the
2 group of packets includes interleaving and transmitting a second and separate
3 group of data packets.
- 1 19. The machine-readable storage media of claim 11, wherein the receiver sends
2 multiple acknowledgement signals for a group of packets.
- 1 20. The machine-readable storage media of claim 11, further includes
2 manipulating the number of parity packets in response to data included in the
3 acknowledgement.
- 1 21. A system comprising:
2 An encoder to apply a forward error correction code to a group of data packets
3 to create a coded group of packets by supplementing a set of parity
4 packets to the group of data packets;
5 A transmitter to transmit the data packets to a receiver over a network, and
6 transmit a set of corresponding parity packets;
7 A receiver to receive a positive acknowledgement signal, wherein in response
8 to receiving the acknowledgement, the transmitter ceases to send
9 additional parity packets, and in response to not receiving the
10 acknowledgment, continuing to transmit the parity packets.
- 1 22. The system of claim 21, wherein the transmitter streams multi-media data
2 packets over an Internet Protocol (IP) network.

